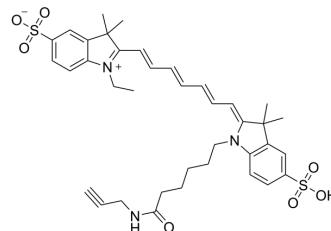


## Cy7-YNE

Cat. No.:	HY-D1052
Molecular Formula:	C <sub>38</sub> H <sub>45</sub> N <sub>3</sub> O <sub>7</sub> S <sub>2</sub>
Molecular Weight:	719.91
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (69.45 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.3891 mL	6.9453 mL	13.8906 mL
				5 mM	0.2778 mL	1.3891 mL	2.7781 mL
				10 mM	0.1389 mL	0.6945 mL	1.3891 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.47 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Cy7-YNE is a fluorescence labeling agent (Ex=700-770 nm, Em=790 nm). Cyanine dyes are used to label proteins, antibodies, and peptides. Cy7-YNE is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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